



## California Architects Board • Landscape Architects Technical Committee

Winter 2004

Volume 5 Issue 2

# LATC Program Updates

## LATC Meetings

On August 27, 2004, the LATC held a meeting in Sacramento. Among some of the items discussed at the meeting were issues that were to be addressed at the Council of Landscape Architectural Registration Boards (CLARB) Annual Meeting in Philadelphia on September 23-25 (i.e., positions on resolutions, officer recommendations, issues regarding changes in the administration of the Landscape Architect Registration Examination—LARE, etc.) and an update on the Education Subcommittee's review of eligibility requirements for the licensing examination and licensure in California.

The LATC's next meeting will be held on January 13-14, 2005 in Berkeley. While a regular public meeting will be held on January 13, the LATC will hold a one-day strategic planning session on January 14. The session will be facilitated by Daniel Iacofano of Moore Iacofano Goltsman, Inc. Each year, the LATC holds a strategic planning session to review its progress on objectives from the previous year, make updates to its Strategic Plan in response to changing economic and technological climates, review and update its mission and vision statements, and strategize to meet the challenges of the coming year.

All LATC meetings are open to the public. Meeting dates, notices, and agendas can be viewed at

[www.latc.ca.gov](http://www.latc.ca.gov). If you wish to obtain meeting notices by mail, contact the LATC at (916) 445-4954 or by email at [latc@dca.ca.gov](mailto:latc@dca.ca.gov) and request to have your name placed on the interested parties list.

## Education Subcommittee— Review of Examination Requirements

To meet a 2004 Strategic Plan objective, the LATC is in the process of evaluating its eligibility requirements for the licensing examination to ensure that applicants have appropriate educational and training/work experience prior to taking the examination.

The Education Subcommittee has specifically been charged with this task and will be reporting its findings and recommendations back to the LATC once it has completed its work in 2005. The Subcommittee's first meeting was held on October 8, 2004 in Sacramento.

Chaired by former LATC member Richard Zweifel, the Subcommittee is comprised of seven landscape architects with diverse backgrounds and years of practice. Part of the Subcommittee's task will also be to evaluate the examination requirements of CLARB, other landscape architectural licensing jurisdictions, and other

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# Legislative Updates

## Senate Bill 1549

**Senate Bill (SB) 1549** (Figueroa) was signed by Governor Arnold Schwarzenegger and filed with the Secretary of State on September 22, 2004. The bill will result in amendments to statutes under the Business and Professions Code (BPC). Amendments to the Landscape Architects Practice Act that will take effect on January 1, 2005 are as follows:

- Extension of the LATC's sunset review date to July 1, 2009 (through amendments to BPC 5620, 5621, and 5622)

- Amendments (reorganization and clarification) to the practice exemptions and exceptions

The most substantive amendment to the exemptions (BPC 5641) is that which further defines the practice parameters for unlicensed individuals (i.e. landscape designers, garden designers, etc.). Effective January 1, the language under the statute will be amended as follows:

**BPC 5641.** *This chapter shall not be deemed to prohibit any person*

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## LATC UPDATES

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design profession boards. In addition, curricula of landscape architectural programs will be examined, as well as additional licensure requirements that pertain to the Subcommittee's charge.

The Subcommittee is tentatively scheduled to meet again in February 2005. The meeting date will be posted on the LATC Web site once it has been determined.

### Sunset Review

As reported earlier, the Joint Legislative Sunset Review Committee (JLSRC) held a hearing with the Department of Consumer Affairs (DCA) on June 1, 2004. The purpose of the hearing was to finalize recommendations for DCA boards going through the sunset review process. Typically, every five years, boards are required to produce a comprehensive report of their recent functions and activities and are then formally evaluated by the JLSRC. At the June 1 hearing, the LATC provided testimony and written responses to DCA and JLSRC issues and recommendations. On June 7, 2004, the JLSRC approved final recommendations for the LATC. The LATC will be required to respond to these recommendations during the next sunset review process.

Recommendations requiring statutory authority (which extend the LATC's next sunset review date to July 1, 2009) were incorporated into Senate Bill (SB) 1549 by Senator Liz Figueroa. On September 22, 2004, the bill was signed by Governor Arnold Schwarzenegger and filed with the Secretary of State. The amendments to the Landscape Architects Practice Act will take effect on January 1, 2005.

### CPR Report & Update

The California Performance Review (CPR) Report was released on August 3, 2004. The Report is a result of the work of a team of over 200 state employees

headed by Department of Motor Vehicles Director Chon Gutierrez and Texas Deputy Comptroller Billy Hamilton. Among the many recommendations to reform and revitalize California government was a recommendation to eliminate the California Architects Board (Board) and the LATC, but retain all of their programmatic functions under the proposed Department of Commerce and Consumer Protection.

A commission appointed by the Governor held five public hearings on the Report during the month of September. The Board submitted written comments on September 30, 2004 outlining its concerns and opposition with respect to the recommendation to eliminate the Board and the LATC. The commission met on October 20, 2004 at the University of California, Irvine to determine which recommendations would be forwarded to the Governor. The Governor would need sponsored legislation in order to accomplish most of the substantive recommendations in the Report, including the recommendation regarding the Board and the LATC.

The entire CPR Report can be viewed at [www.report.cpr.ca.gov](http://www.report.cpr.ca.gov).



### LATC Outreach: San Diego BBB—2004 Consumer Expo

On August 7, 2004, LATC and Board staff attended the San Diego Better Business Bureau—2004 Consumer Expo held at the San Diego Community Concourse. Staff distributed publications and responded to consumer inquiries regarding the scope of practice for landscape architects, architects, and unlicensed designers and how to file complaints with the LATC and Board. This was the third consecutive year that staff has attended the event.

## Expired License Reminder

Licensees are reminded that a license which is not renewed within three years after its expiration is cancelled and may not be renewed, restored, or reissued thereafter.

If that occurs, a previous license holder must apply for and obtain a new license (see information below) in order to continue practicing landscape architecture in California. An individual whose license has been **expired for less than three years** would be required to pay all accrued and unpaid renewal fees in order to bring his/her license current.

An individual whose license has been **expired for more than three years, but less than five years**, would be eligible for a new license through the Re-Licensure process and upon meeting the following conditions:

1. No fact, circumstance, or condition exists which, if a new license were issued, would justify its revocation or suspension
2. The applicant submits the following documents to the LATC: Re-Licensure form; Eligibility/Examination Application form; required work samples and supporting documentation
3. The applicant pays all fees which would be required of the applicant if applying for a license for the first time
4. The applicant passes the current national licensing examination, or otherwise establishes to the satisfaction of the LATC (through the Re-Licensure process) that he/she is qualified to practice landscape architecture without taking the entire examination or portions of the examination

5. The applicant passes the California Supplemental Examination.

An individual whose license has been **expired for more than five years** would be eligible for a new license upon meeting the conditions noted above; however, the applicant would not be eligible for the Re-Licensure process and would therefore **be required to take and pass all sections of the current national licensing examination.**

The LATC realizes that cancellation of a license may sometimes be intentional on the part of a licensee; however, there are instances when renewal of a license may be overlooked or a licensee may fail to forward a change of address to the LATC, etc. In the latter cases, individuals put themselves at risk if they continue to practice without a current and valid license, as such action could result in disciplinary action taken against them by the LATC.

The maintenance of a license is the professional responsibility of the licensee; however, as a courtesy, the LATC would like to remind the following individuals that they are within six months of approaching the three-year cut-off (in which an expired license is cancelled and the Re-Licensure process would be required in order to obtain a new license) or the five-year cut-off (in which re-taking and passing all sections of the current licensing examination would be required in order to obtain a new license).

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## REMINDER NEW PRACTICE ACT

In early 2004, the new edition of the Landscape Architects Practice Act was printed for distribution. The new edition highlights regulatory and statutory changes since 2000.

Licensees and candidates for licensure are reminded that they should have knowledge of all statutes and regulations pertaining to the practice of landscape architecture in California (Business and Professions Code, Division 3, Chapter 3.5, sections 5615 et seq. and California Code of Regulations, Title 16, Division 26, sections 2602 et seq.). In addition, all interested parties are reminded that the most current statutes and regulations can always be viewed at [www.latc.ca.gov](http://www.latc.ca.gov). While regulatory amendments may take effect throughout the calendar year, statutory amendments typically become effective on January 1 of the year following their approval.

To obtain a hard copy of the 2004 Landscape Architects Practice Act, please contact the LATC at (916) 445-4954 or by email at [latc@dca.ca.gov](mailto:latc@dca.ca.gov).



## EXPIRED LICENSES

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In addition, colleagues and family members are relied upon to notify the LATC when licensees pass away. Your assistance in keeping the LATC's records and mailing list current is greatly appreciated.

For additional information, you may contact the LATC at (916) 445-4954 or by email at [latc@dca.ca.gov](mailto:latc@dca.ca.gov).

### ARE YOU MOVING SOON?

Licensees and examination candidates are required to notify the LATC when their address of record changes. To report a change of address, please visit [www.latc.ca.gov](http://www.latc.ca.gov).

### Approaching three years since expiration of license

License #	Exp. Date	Name	Address
3310	5-31-2002	Judith L. Boshoven	Vacaville, CA
1228	3-31-2002	John B. Chatfield	Davis, CA
3810	5-31-2002	Conrad F. Driscoll	Walnut Creek, CA
2697	3-31-2002	Diann H. Durant	Ventura, CA
3772	1-31-2002	Liette Gilbert	Toronto, Ontario, Canada
1300	5-31-2002	Stephen L. Halsey	La Mesa, CA
4413	2-28-2002	Christine Hoeffner	Alexandria, VA
3687	6-30-2002	Lacy V. Holtzworth	Gainesville, FL
3007	12-31-2001	Julie J. Jones	Riverside, CA
1644	3-31-2002	Van W. Laurn	San Luis Obispo, CA
3787	4-30-2002	Elizabeth C. McCoy	Fallbrook, CA
3033	5-31-2002	Janine R. McCormack	Orange, CA
2954	1-31-2002	Anne P. Messner	Ft. Collins, CO
1163	2-28-2002	Joseph D. Mills	Sacramento, CA
3549	3-31-2002	Robert A. Moses	Kaysville, UT
3744	6-30-2002	Gregory Newell	San Francisco, CA
4168	3-31-2002	Gregory P. Ray	Simi Valley, CA
348	4-30-2002	Robert Royston	Mill Valley, CA
4497	6-30-2002	Aimee L. Vosper	Santa Monica, CA

### Approaching five years since expiration of license

License #	Exp. Date	Name	Address
1651	1-31-2000	Frederick M. Arbuckle	Carlsbad, CA
3634	4-30-2000	Jocelyn M. Ball	Kansas City, MO
1981	3-21-2000	Alan M. Bernstein	Woodland, CA
2902	2-29-2000	David C. Bloodwell	Winter Park, FL
1869	2-29-2000	Peter Bochenek	San Ramon, CA
2476	6-30-2000	Changlin H. Dillingham	Berkeley, CA
2436	4-30-2000	Scott D. Doss	Foresthill, CA
2618	1-31-2000	Everett L. Fly	San Antonio, TX
3441	5-31-2000	Todd P. Funk	Fullerton, CA
1933	12-31-1999	Timothy G. Gavin	Otis Orchards, WA
2993	3-31-2000	Steven M. Geller	Kentfield, CA
1569	1-31-2000	Robert H. Grina	Carlsbad, CA
2227	4-30-2000	A. T. Hanson	Edina, MN
3479	4-30-2000	Darrell Hochman	Dana Point, CA
2520	2-29-2000	Bryan D. Hull	San Diego, CA
1312	1-31-2000	Edward J. Janelli	Berkeley, CA
1048	5-31-2000	Phillip E. Lammi	Fremont, CA
3750	3-31-2000	Laura K. Moore	San Jose, CA
1759	1-31-2000	George R. Nadow	West Covina, CA
3683	2-29-2000	Mark A. Newland	Louisville, CO
3378	1-31-2000	Bradley J. Pontius	Aliso Viejo, CA
1139	6-30-2000	Juno Uyematsu	Torrance, CA
2856	1-31-2000	Daniel S. Zarnstorff	Stoughton, WI

## Technical Expert Training

On October 19, 2004, the LATC held a technical expert training session in Sacramento which had been identified as an objective under the 2004 Strategic Plan. The purpose of the training was to bring new and experienced technical experts together to review their role and responsibilities under the LATC.

Technical experts play a vital role in the LATC's enforcement program and the disciplinary process as it applies to licensees and unlicensed individuals who may be in violation of the Landscape Architects Practice Act. Participants were provided with a brief

history of licensure and regulation of landscape architecture in California, a review of the complaint handling and disciplinary processes, and information regarding their responsibilities. Deputy Attorney General Elena Almanzo facilitated the session, while Board architect

consultants provided insight into the role and responsibilities of a technical expert for the Board. Seven landscape architects attended the training session.

## LEGISLATIVE UPDATES

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from *preparing drawings for the conceptual design and placement of tangible objects and landscape features or plans, drawings, and specifications for the selection, placement, or use of plants for a single family dwelling. Construction documents, details, or specifications for the tangible objects or landscape features, and alteration of site requiring grading and drainage plans shall be prepared by a licensed professional as required by law.*

### Senate Bill 1914

**SB 1914**, the Senate Business and Professions Committee's Omnibus Bill, was signed by the Governor and filed with the Secretary of State on September 29, 2004. The bill included proposals which will amend the Practice Act in the following manner: 1) clarify the written examination waiver requirement; 2) clarify the filing of mailing address requirement for licensees; and 3) clarify the stamping requirement for licensees when preparing plans and other instruments of service

for others. These amendments to the Practice Act will also take effect on January 1, 2005 and will be as follows:

**BPC 5651. (a)** *The board shall by means of examination, ascertain the professional qualifications of all applicants for licenses to practice landscape architecture in this state and shall issue a license to every person whom it finds to be qualified on payment of the initial license fee prescribed by this chapter.*

**(b)** *The examination shall consist of a written examination. The written examination may be waived by the board if the applicant (1) is currently licensed by a United States jurisdiction, Canadian province, or Puerto Rico and has passed a written examination equivalent to that which is required in California at the time of application and (2) has passed the California supplemental examination if, at the time of application, it is required of all California applicants.*

**BPC 5657.** *Each licensee shall file his or her current mailing address with the board at its office in Sacramento, California, and shall notify the board*

*of any and all changes of mailing address, providing both his or her old and new address within 30 days after a change. A penalty as provided in this chapter shall be paid by a licensee who fails to notify the board within 30 days after a change of address.*

**BCP 5659.** *Each person licensed under this chapter shall sign, date, and seal or stamp using a seal or stamp described in this section, all plans, specifications, and other instruments of service therefor, prepared for others as evidence of the person's responsibility for those documents. Failure to comply with this section constitutes a ground for disciplinary action. Each person licensed under this chapter shall use a seal or stamp of the design authorized by the board, bearing his or her name, license number, the legend "licensed landscape architect," the legend "State of California" and a means of providing a signature, the renewal date of the license, and date of signing and sealing or stamping.*

## Examination News **June 2004 LARE**

Sections C and E of the LARE were administered to 223 candidates on June 14-15, 2004 at the Riverside Convention Center in southern California and the Sacramento California Exposition and State Fair facilities in northern California. Examination results were mailed to candidates in mid-September 2004. Upon receipt of these results, one candidate became eligible to apply for licensure and 15 candidates became eligible to apply for licensure upon passing the California Supplemental Examination.

### August 2004 C/LARE & Update

Sections A, B, and D of the LARE (multiple-choice sections of the examination are now computerized and are referred to as the C/LARE) were administered by CLARB at statewide computer testing centers on August 9-13, 2004. Results were made available to candidates in mid-September.

Due to problems with the administration of the C/LARE, the LATC discussed its concerns at its August 27, 2004 meeting. On September 10, 2004, the LATC sent a letter to CLARB formally conveying reported candidate complaints and requesting additional information in order to fully understand the corrective actions that CLARB would be taking and how they intended to prevent similar problems from reoccurring.

For candidates who experienced problems with the August examination, CLARB offered a free re-examination on November 8-10, 2004. As a condition for taking the free re-examination, candidates were required to waive the right to see their examination results from the August examination.

### Review Sessions

Sixty-four candidates signed up for the Red-Line and Standard Review Sessions to review failed graphic performance problems from the June 2004 examination. The sessions were held at the end of November at the University of California, Los Angeles

## JUNE 2004 LARE RESULTS

### All Candidates

Section	Section Format	# of Candidates	#/% Passed	#/% Failed
C – Planning and Site Design	G	149	52/35%	97/65%
E – Grading, Drainage & Stormwater Management	G	169	56/33%	113/67%

### First-Time Candidates

Section	Section Format	# of Candidates	#/% Passed	#/% Failed
C – Planning and Site Design	G	54	18/33%	36/67%
E – Grading, Drainage & Stormwater Management	G	57	22/39%	35/61%

### Re-Take Candidates

Section	Section Format	# of Candidates	#/% Passed	#/% Failed
C – Planning and Site Design	G	95	34/36%	61/64%
E – Grading, Drainage & Stormwater Management	G	112	34/30%	78/70%

G = Graphic Format

Extension campus in Westwood and at the LATC office in Sacramento.

### December 2004 LARE

One hundred ninety-four candidates were scheduled to take Sections C and E of the LARE on December 6-7, 2004. The examination was again held in Sacramento and Riverside. These examination results will be available in February 2005.

### C/LARE—Important Reminder to California Candidates

As reported in the last issue of the LATC Newsletter, California candidates should be aware of the recent changes to the LARE application/registration and administration processes.

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## CLARB NEWS

# Report on 2004 Annual Meeting

With a theme of advancing public protection, the CLARB 2004 Annual Meeting was held on September 23–25, 2004 in Philadelphia, Pennsylvania. Representatives from CLARB member jurisdictions met with a focus on reevaluating the cornerstones on which public protection is based – licensure requirements with regard to education, experience, and examination. LATC Chair Linda Gates, Vice-Chair Stephanie Landregan, and Program Manager Mona Maggio represented California at the meeting.

CLARB Executive Director Clarence L. Chaffee explained that licensure standards “impact every CLARB member board and every licensee. It is critically important that we periodically review these standards to be sure that they are still appropriate in today’s world.”

On Thursday, September 23, the meeting began with a brief orientation. The rest of the afternoon consisted of education sessions that were organized

into three tracks – Red, White, and Blue. The Red Track was for attendees who are new to CLARB and provided background on CLARB’s history and structure, as well as an overview of the licensure examination. The White Track addressed the history of experience requirements for licensure. The Blue Track addressed education (pre-licensure and continuing education).

Each track included two full-group sessions to discuss the Landscape Architecture Body of Knowledge (LABOK) Study and “The Big Picture.” The latter session included a discussion of CLARB’s history and vision.

Friday morning featured two workshops: “Standards and Continuing Education” and “C/LARE and the Upcoming Task Analysis.” These were open discussion sessions about where CLARB should go on each issue. On Friday afternoon, registration board members and administrators discussed registration and public protection issues and conducted regional elections.

During the Saturday business session, a report on the state of the organization was presented and members elected leaders and voted on resolutions impacting the direction of CLARB. Items voted on included defining CLARB’s role in an international, profession-wide continuing education system.

*Created in 1970, CLARB is a non-profit international association whose members are the 47 U.S. states and territories and two Canadian provinces that license landscape architects. As an organization of member boards, CLARB’s mission is to foster the public health, safety and welfare related to the use and protection of the natural and built environment affected by the practice of landscape architecture.*

## Sandra J. Gonzalez Takes Office As CLARB President

Sandra J. Gonzalez, of Long Beach, California, was appointed President of CLARB on September 25, 2004 at the Annual Meeting in Philadelphia. Gonzalez, a former Board of Landscape Architects member and LATC Chair, succeeds Dickson F. DeMarche, of Wilton, Connecticut, who will now assume the office of Past President.

Gregg K. Sturtevant, of Wallowa, Oregon, was elected First Vice President/President-elect at the meeting. James W. Figurski, of Portland, Oregon, was elected Second Vice President and Dennis C. Wilkinson, of Albuquerque, New Mexico, was elected Secretary. Cleveland Turner, III, of Amarillo, Texas, continues his two-year term as Treasurer. CLARB’s Regional Directors for the coming year are Frank L. Basciano, Dennis J. Mersky, Laura Gaynor, G. Robert Johns, and Ian Wasson.





## ASLA Announces 2004 Professional Awards

On July 13, 2004, the American Society of Landscape Architects (ASLA) announced the recipients of its 2004 Professional Awards. The awards were presented during the ASLA Annual Meeting on October 29–November 2 in Salt Lake City, Utah. A nine-member jury selected 33 projects to receive awards from a field of over 550 entries.

"I was especially impressed with the quality of the projects at all scales and at various levels of budgets," said Frederick R. Steiner, ASLA, jury chair and Dean of the College of Architecture at the University of Texas at Austin. "The best projects displayed great understanding of natural processes, considerable sensitivity to people, and a high level of design acumen. I believe the award recipients exemplify the many contributions that landscape architects are making to improve our built environments."

The ASLA Awards Program is administered by the ASLA Library and Education Advocacy Fund, a nonprofit 501(c) 3 organization established by ASLA in 2001. The ASLA Fund is dedicated to expanding the body of knowledge of the landscape architecture profession, to promoting the value of landscape architecture, and to increasing public understanding of environmental and land use issues and principles.



AMERICAN SOCIETY OF  
LANDSCAPE ARCHITECTS

## Report on ASLA Annual Meeting & Expo

On October 29–November 2, 2004, the ASLA held its Annual Meeting in Salt Lake City. Each fall, ASLA members from around the world gather to learn and be inspired, to share best practices, to explore a new city, and to honor professional contributions and accomplishments.

### General Sessions

On Saturday, attendees heard from Utah native and acclaimed nature writer Terry Tempest Williams, author of *Refuge: An Unnatural History of Family and Place*. The Student General Session on Saturday afternoon included a presentation by Grant Jones, FASLA, landscape architect, poet, educator and founder of Jones & Jones, the first recipient of the ASLA Firm Award. On Sunday, renowned photographer Steve Uzzell shared his presentation, *Open Roads, Open Minds: An Exploration of Creative Problem Solving*. The Monday Closing General Session featured remarks by Peter Walker, FASLA, on his many projects and work underway around the globe.

### ASLA Awards Ceremony and Luncheon

Each year, the ASLA Professional Awards program honors the best in landscape architecture from around the globe, while the ASLA Student Awards program gives a glimpse into the future of the profession. This year, the Professional Awards and Student Awards ceremonies were combined to allow all attendees to celebrate these accomplishments together.

### ASLA Expo 2004

With nearly 400 exhibitors, the ASLA EXPO is the largest trade show in the industry for landscape architects and allied design and construction professionals. New this year, attendees were also able to meet with federal agency representatives and explore how to work with each agency. Back by popular demand, Bill Thompson, editor-in-chief of *Landscape Architecture* magazine, was on hand to discuss projects and articles for upcoming issues.

The event's closing dinner included a tribute to the recipients of ASLA's highest honors: the ASLA Medal; the Olmsted Medal; the Landscape Architecture Medal of Excellence; the LaGasse Medals; the Jot D. Carpenter Teaching Medal; the ASLA Design Medal; the President's Medal; and the ASLA Firm Award.

Next year's Annual Meeting & Expo will be held on October 7–11, 2005 in Fort Lauderdale, Florida. For more information, visit [www.asla.org](http://www.asla.org).

*Founded in 1899, ASLA is the national professional association for landscape architects representing more than 14,200 members. ASLA promotes the landscape architecture profession and advances the practice through advocacy, education, communication, and fellowship. Learn more online at [www.asla.org](http://www.asla.org).*





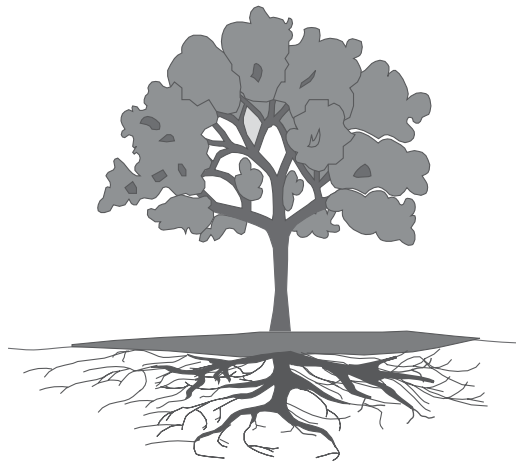
## Preserving Trees after Landscape Conversions

*By Julie Saare-Edmonds,  
California Department of Water Resources,  
Office of Water Use Efficiency*

Landscape conversion is becoming more popular for water conservation. Usually, by offering rebates, several water agencies throughout the West encourage the conversion of high water using, predominately turf landscapes, to a type of landscape that requires far less water. These landscapes require much less maintenance and generate far less green waste than a typical mostly-turf yard. Usually, the homeowners enroll in the program and attend workshops to learn basic water wise gardening principles or water agency staff may conduct site visits. Inspections after installation are usually required before the rebate is issued. These programs have a great potential for saving water. Southern Nevada Water Authority (SNWA) has been offering turf conversion rebates since 1999. SNWA has had great success with the program by converting over 18 million square feet of grass on more than 7,500 properties. The water savings are at least 1.4 billion gallons per year.

When removing large areas of grass where trees are present, there are some things to consider, such as tree rooting pattern, weather, techniques for removing turf, soil preparation, and irrigation after conversion. Water agencies interested in starting a landscape conversion program need to consider these factors and communicate them to customers who are interested in converting their landscape.

Contrary to popular belief, most mature trees do not have deep tap roots. Most of the root system is



**Contrary to popular belief, most mature trees do not have deep tap roots. Most of the root system is horizontal and near the surface.**

horizontal and near the surface. The large woody roots function primarily as structural supports for the tree. The tiny feeder roots that are found within the top few inches of soil are the major suppliers of water, nutrients, and oxygen to the tree. These roots are often intermingled with the grass roots and can be damaged when the turf is removed. Roots of many trees extend well beyond the "dripline," frequently two to three times the width of the canopy. Extensive root systems are part of how California's oaks survive the long summer dry period. The root system of a 30-foot wide Blue or Valley oak may extend to 100 feet or

more. This expansive root system has tremendous surface area that enables the tree to collect enough water to survive the dry season.

To protect the trees, some careful steps must be taken. If possible, the landscape conversion should be done during a cooler time of year; this will minimize stress on existing trees and will ease stress on the newly installed plants. It is important, for example, to choose a method for removing turf that will minimize disturbance to the roots. Covering the grass with mulch or landscape fabric to shade it out is one method. If shading out will take too long for the project, a sod cutter adjusted to a shallow setting can be used to preserve as many tree roots as possible. If herbicides are preferred, note precautions on the package labeling to be sure the tree will not be damaged.

After the grass is removed, minimize disturbance of the soil while trenching and digging planting holes. Tractors or vehicles should never be driven over or parked on root zones. Trees may need to be watered if there is no rain during the construction phase. When the new landscape irrigation is installed, a separate zone from the zones used for shrubs and perennials needs to be designated for trees because trees will require less frequent but deeper irrigation than shrubs. Depending on the tree size and species, several emitters may be required to adequately water the root

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*See page 12 for  
Upcoming LATC  
Meetings and Events  
or visit  
[www.latc.ca.gov](http://www.latc.ca.gov).*

## PRESERVING TREES

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zone. After the irrigation system and plants are installed, a layer of mulch placed in the planting area can help to prevent water loss by evaporation. Mulch should be kept away from the trunk of trees and stems of shrubs—two to three inches is sufficient. If the mulch is too deep, it may hold too much moisture in the soil and impede oxygen movement. After the landscape is completed, the health of the trees needs to be monitored and adjustments in the irrigation schedule made as needed. Over time, the trees will re-establish in the soil and may need less frequent irrigation. If the trees show

signs of stress that does not improve with irrigation, or if there is a general decline in health, consult a certified arborist.

Trees are an important part of the urban landscape because of cooling shade, the oxygen they give off, the homes and food they provide to wildlife, and the esthetic value to all of us. Maturing trees represent an investment in time, water and resources that are difficult to recover. More information on trees is available from your local Urban Forestry Association or the National Arbor Day Foundation at [www.arborday.org](http://www.arborday.org).

## EXAM NEWS

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### What has changed (regarding Sections A, B, and D)?

- Sections A, B, and D (multiple-choice sections) of the LARE (now the C/LARE) are no longer administered by the LATC (previously administered in June)
- These sections are now administered at computer testing sites throughout California and the country in March and August
- Candidates register for these sections with CLARB at [www.clarb.org](http://www.clarb.org); **however, new candidates are still required to first establish eligibility in California by submitting an Eligibility/Examination Application with the LATC—view applicable deadlines at [www.latc.ca.gov](http://www.latc.ca.gov)**

- Upon meeting eligibility requirements in California, **new candidates** will be issued a Notice of Eligibility from the LATC
- Once **new candidates** receive a Notice of Eligibility, they may proceed with registering for Sections A, B, and D with CLARB (if a new candidate registers with CLARB before receiving a Notice of Eligibility from the LATC, his/her examination scores will not be accepted by California)
- **Re-take candidates** (that have already taken the LARE in California) **are not** required to obtain a Notice of Eligibility from the LATC prior to registering for Sections A, B, and D with CLARB

### What has not changed (regarding Sections C and E)?

- The LATC still administers Sections C and E (graphic performance sections) of the LARE twice a year (June and December) in northern and southern California
- Sections C and E are still administered in the paper and pencil format
- Candidates still apply for these sections with the LATC—view applicable deadlines at [www.latc.ca.gov](http://www.latc.ca.gov)
- **Re-take candidates** are still required to submit an Application for Re-Examination to the LATC for Sections C and E

## California Integrated Waste Management Board Ecological Landscaping Conference

**Eco-Landscape 2005: Eco-Effective Landscapes Equal New Business Opportunities** will be held on Saturday, February 5, 2005 at the Samuel Pannell Community Center at 2450 Meadowview Road in Sacramento, CA. This event will build on the success of the 2004 conference by providing cutting-edge information on how to design, install, and maintain landscaping in an environmentally-sound manner. Topics will address water conservation, peak run-off reduction, soil enhancement, storm water pollution, and pesticide and fertilizer reduction. Highly-acclaimed speakers, combined with a mini-trade show of innovative products and services, will help landscape professionals meet the challenges of landscaping in the 21st century.

Three keynote speakers will address the audience in the morning, and four workshops will be presented in the afternoon. Keynote speakers are Robert Thayer (University of California, Professor Emeritus in Landscape Architecture), Kim Sorvig (University of New Mexico, Landscape Architecture), and Vickie Bess, (*President of BBC Laboratories, Inc. and professor at Arizona State University*). Robert Thayer will demonstrate how the trends and challenges landscape professionals are facing now and in the days ahead will affect the way they landscape in the future. Mr. Thayer will also discuss the concept of the "life-place" or bio-region and how increasing identification with natural surroundings may affect the way individuals landscape. Kim Sorvig will discuss how landscapes need to not only be designed to function in a more sustainable manner,

but to also be beautiful in order to be valued by the public. Vickie Bess will provide a general introduction to soil microbiology and microbial diversity with an emphasis on how different functional groups of microbes impact the plant health. Afternoon workshops will address water conservation, compost tea, sustainable design, and Integrated Pest Management. Department of Pesticide Regulation credits and other certifications will be available.

The mini-trade show will feature commercial and non-profit exhibitors focusing on products and services that will help professionals create and maintain more ecologically sound landscapes. A bookseller will be on hand providing publications to enhance



Be one of the first 100 to register by January 15, 2005 and you will receive a FREE copy of **Bay-Friendly Landscape Guidelines** when you come to the conference.



This event will build on the success of the 2004 conference by providing cutting-edge information on how to design, install, and maintain landscaping in an environmentally-sound manner.

the presentations of speakers and provide participants additional sources of information.

Presented by The Eco-Landscape Working Group and The Ecological Farming Association, the conference is sponsored by the California Integrated Waste Management Board, the City of Sacramento

Department of Utilities, the Sacramento Area Flood Control Agency and the Sacramento County Stormwater Program. Early registration (by 1/15/05) is \$80.00 and \$90.00 after 1/15/05 or at the door. The first 100 early registrants will receive a free copy of *Bay-Friendly Landscape Guidelines*. For more information or to register for the conference, visit [www.ecolandscape.org](http://www.ecolandscape.org) or call (916) 492-0393.

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## Upcoming Meetings and Events

January 13-14, 2005	LATC Meeting / Strategic Planning	Berkeley
February 2005	Education Subcommittee Meeting	Sacramento
February 25-26, 2005	CLARB Region V Spring Meeting	Denver, Colorado
March 7-9, 2005	LARE (Sections A, B, and D)	Statewide Testing Centers
May 2005	LARE Review Sessions	Sacramento, Los Angeles
June 13-14, 2005	LARE (Sections C and E)	Sacramento, Riverside